DIAL VTX System Enhancements - Functional Specification

DOCUMENT IDENTIFIER: A-SP-ELCP763-00-0000 Rev A, 09-Oct-1991

ABSTRACT: This functional specification describes the DIAL (Digital Idle Assets Listing) VTX application enhancements. The DIAL VTX application provides worldwide access to the DIAL infobases, for the purpose of advertising and procuring Digital's idle assets.

APPLICABILITY: This specification applies worldwide and provides both U.S./GIA and European idle asset policies.

STATUS: APPROVED 09-Oct-1991; use VTX SMC for current status.

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_____

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1 MANAGEMENT SUMMARY

The DIAL (Digital Idle Assets Listing) VTX application provides worldwide access to the DIAL data bases. The DIAL data bases are used by internal Digital organizations to advertise and procure Digital's idle assets via internal transfer.

There are two data bases; a U.S./GIA data base maintained in the Andover, MA Dascomb Rd. facility (DAS) and a European data base maintained in Ayr, Scotland (AYR).

These data bases contain Digital computer and noncomputer equipment items. Each data base supports inquiry and advertising. The DIAL VTX application provides the inquiry and advertising capabilities.

The DIAL VTX application is accessed by logging into the Corporate VTX menu using key word **VTX DIAL**. The VTX application resides on the main menu of the Corporate VTX Library.

The short term goals set for the DIAL VTX application enhancement are:

- Increase accessibility to data base
- Enhance inquiry process
- Reduce administrative tasks
- Enhance data base update process

The long range plan is to increase the overall functionality of the DIAL VTX application.

2 INTRODUCTION TO DIAL

DIAL is a VTX application for advertising and procuring Digital's idle assets for internal transfer. The current version of the DIAL VTX application provides internal Digital users worldwide access to listings of, and detailed information about, the items that are advertised. The DIAL VTX data bases are updated nightly.

DIAL Administration provides asset management assistance for both computer and noncomputer equipment.

To contact DIAL Administration:

DTN:	285-2812
Outside telephone:	(603) 894-2812
VAXmail:	SALEM::DIAL_ADM
ALL-IN-1:	DIAL_ADM @NIO

DIAL contacts:

U.S./GIA

Paul Coute, DIAL Manager
DTN 223-9960, (508) 493-9960
MSO2-1/B11 (Maynard, MA)

Cathy Kennedy, DIAL Analyst
DTN 285-2662, (603) 894-2662
NIO/H13 (Salem, NH)

Bill Savory, DIAL Analyst
DTN 285-2669, (603) 894-2669
NIO/H13 (Salem, NH)

Europe

Gordon McKinlay, European DIAL contact
DTN 823-3329, (44)-(292)-883329
AYO (Ayer, Scotland)

3 HOW TO ADVERTISE IN DIAL

To advertise in DIAL, an account is required. This account gives you access to an online system to display your excess equipment. For information call DTN 285-2812, send VAXmail to SALEM::DIAL_ADM, or send ALL-IN-1 mail to DIAL_ADM @NIO

Batch capability for bulk loading of assets to be advertised is also available. Please contact DIAL_ADM for information about batch update capabilities.

Additional information can be found in the DIAL Notes Conference. (SALEM::DIAL).

4 HOW TO USE THIS APPLICATION

The DIAL VTX application provides access to all the items listed in the U.S./ GIA and European DIAL data bases. The current application supports inquiry only. A future version will support advertising items in DIAL, report generation, and other enhancements.

Users can look up items in either data base by any of the following choices:

- Digital part numbers or DIAL reference numbers
- Digital facility or stockroom where the items are located
- Cost center that owns the items
- Digital or material type not from Digital
- Key words that are associated with Digital assets (key words are assigned to Digital assets only)
- Location Code or Stockroom Number

The data base lookup menus, for both U.S./GIA and Europe, allow users to access the forms into which search parameters are entered. Each form screen also contains a description of the entries that are valid for that form.

From the form screen users access a menu with a summary of all the items matching their search criteria. From this summary menu, they can choose to see detailed information about any item.

The summary menu displays a count of the number of items retrieved in a particular search. If the number is too large, the search can be narrowed using the combination form and entering two or three choices. By combining choices, a reduced number of items will be retrieved.

The VTX application also allows the user to mail a summary or to copy an information file to their VMS account.

To advertise items in DIAL or to generate reports, you must still log into the DIAL account. "How to advertise in DIAL" on the main menu provides instructions.

5 DIAL POLICIES

5.1 CORPORATE ACCOUNTING AND REPORTING POLICIES

Section	301—-:	Internal Control Cycle
	301-18:	Disposition of Excess, Obsolete, and Scrap Inventory
	301-22:	Charitable Contributions
Section	304—:	Conversion Cycle
	304-4:	Disposition of Property, Plant, and Equipment

To access the Corporate Accounting and Reporting Policies in VTX, use FIND, type CORPFIN then use ENTER.

To read the above-referenced policies, select choice 3 from the main menu, then choice 1 or 4.

5.2 EUROPEAN DIAL POLICY

Outline of contents:

1. Purpose
2. Applicability
3. Responsibility
4. Policy
5. Definitions
6. References
7. Access to DIAL

5.2.1 Purpose

The purpose of this policy is to provide the user of the DIAL application with standards to properly advertise and redistribute their excess and obsolete material.

5.2.2 Applicability

This policy is applicable to all European subsidiaries that use DIAL.

5.2.3 Responsibility

The Merchandising Business Unit (ESSC - Nijmegen), European Services and Supply Center is responsible for DIAL application support, account management, and administration.

5.2.4 Policy

No usable inventory can be declared obsolete and written-off without having appeared on the DIAL application for at least 60 days.

If material is currently advertised on DIAL and it is economically feasible to transport from advertising location to requesting location, the equipment should not be purchased from external vendors or ordered through manufacturing.

Advertising:

All excess and obsolete inventory and all idle assets that are identified by Materials Planning Management must be advertised on DIAL.

This material includes Digital and capital equipment not made by Digital, expensed material, equipment trade-ins, customer returns, and used or repaired inventory.

All items on DIAL must have the condition (such as, new, used, defective, or scrap) of the material and revision level (if applicable) listed.

The criterion for advertising scrap material or equipment on DIAL is the possible usage of the item by a potential Digital customer. If an item is damaged and irreparable or too costly to repair, it should not be advertised.

Exclusions for advertising:

- Software
- Low cost or small quantity items with cost less than the cost to enter the item into DIAL
- Low cost or small quantity items, which in case of sales, the cost is less than the cost of transport and order handling
- Products with known safety problems and products known to have exceeded shelf life

Advertising Update:

When material advertised on DIAL has been sold, the data base should be updated immediately after the transaction, using the redistribute function and stating the receiving stockroom or location.

5.2.5 Definitions

DIAL (Digital Idle Asset Listing)—An online, real time data base available to internal Digital users worldwide providing visibility of idle assets. The data is maintained by the user.

The European data base is maintained in Nijmegen and runs on a VAXcluster. Corresponding software packages are installed at the remote locations.

scrap—Inventory that has been damaged, or deemed to be beyond refurbishment or repair by Quality Control.

excess inventory—Inventory on hand which exceeds 12 months usage requirements demand (new and unused). This does not include new material with no historical usage and no forecast yet. Also not included are materials allocated for specific business purposes.

obsolete inventory—Usable inventory with no corporate-wide usage requirements due to replacements (ECOs) or product phase-outs. This inventory includes N, O, and R stock codes.

expensed inventory—Inventory held by Customer Service Logistics stockrooms in the field to support Customer Services in meeting their customer contractual agreements.

capital equipment—Assets that are currently reported on the Fixed Asset Register.

5.2.6 References

European DIAL Application User Manual - November, 1989.

5.2.7 Access to DIAL

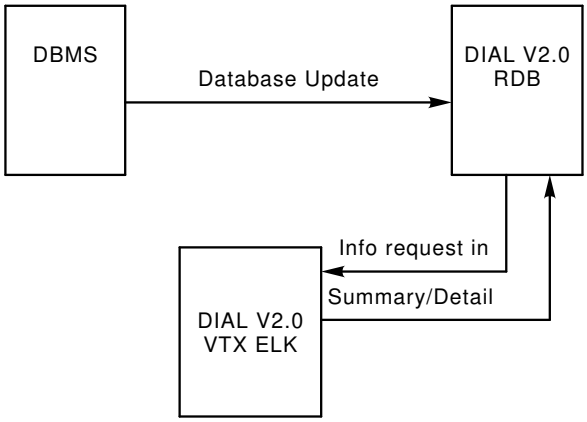
The DIAL application can be accessed using the local DIAL account in which the software is installed.

User accounts can be obtained from the DIAL administrator in Nijmegen.

6 SYSTEM OVERVIEW

The system is developed using VALUE and ELK software. The programming languages used are COBOL and C. COBOL is used for the extract and C is used for the ELK/RDB server.

The design scheme is:



data base Updates: Nightly

There are currently two data bases within the DIAL application—U.S./GIA and Europe. The U.S. data base is approximately 65,000 records and the European data base approximately 20,000.

The application will continue to be accessed as it is today, with options for U.S./GIA or European look.

The data base is currently updated in the following ways:

- Online by individual
- Batch by receiving a file

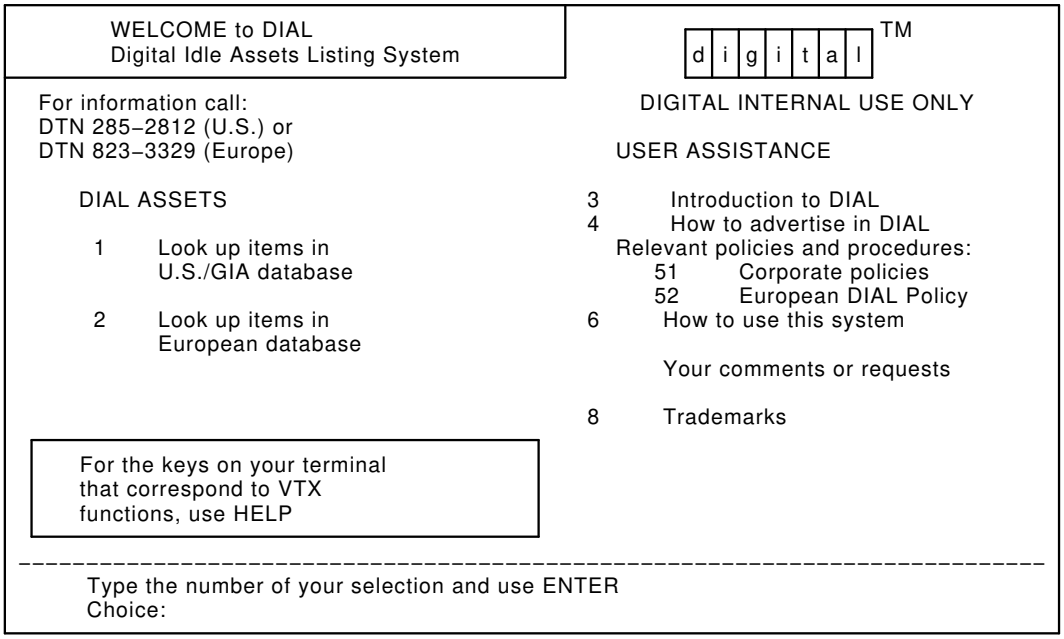
Speedway is the networking tool used to access the European data base, depending on the location of the user accessing the DIAL application.

The number of links set for logging into the system has been set at 200 connects.

7 DIAL SCREEN DESIGNS

The following sample screens are examples of what the screen design will be for the enhanced DIAL application. These screens may have minor changes as the application is designed.

Figure 1: Digital Idle Assets Listing System, Main Menu


WELCOME to DIAL
Digital Idle Assets Listing System
d i g i t a l TM
For information call:
DTN 285–2812 (U.S.) or
DTN 823–3329 (Europe)
DIGITAL INTERNAL USE ONLY
USER ASSISTANCE
DIAL ASSETS
1 Look up items in U.S./GIA database
2 Look up items in European database
3 Introduction to DIAL
4 How to advertise in DIAL
Relevant policies and procedures:
51 Corporate policies
52 European DIAL Policy
6 How to use this system
Your comments or requests
8 Trademarks
For the keys on your terminal that correspond to VTX functions, use HELP
Type the number of your selection and use ENTER
Choice:

7.1 LOOK UP ITEMS IN U.S./GIA data base

Figure 2: Look Up Items in U.S./GIA data base

```
Look up items in U.S./GIA database                          DIAL ASSETS
------------------------------------------------------------------------

        Look up all items with a common:

    1       Digital Part Number
    2       Key Word
    3       DEC Material Type
    4       Non-DEC Material Type
    5       Cost Center
    6       Location Code
    7       Stockroom Number

            Look up items by a combination of choices 1 through 7

    9       Look up an item by entering its DIAL Reference Number




------------------------------------------------------------------------
    Type the number of your selection and use ENTER
                                  To return to the previous menu, use BACKUP

    Choice:
```

Please note that choice number 8, Look up items by a combination of Choices 1 through 7, will not be available until the mid- to late-October maintenance release.

7.2 LOOK UP ITEMS BY DIGITAL PART NUMBER

Figure 3: LOOK Up Items by Digital Part Number

```
Look up items by Digital Part Number                                DIAL ASSETS
------------------------------------------------------------------------------
                                                    Definition
Enter DEC Part Number: __-_____-__-____

                                                    Valid DEC Part Number in the
                              use FORM ENTER        format cc-bbbbb  vv   rrrr, where
                                                          c = class
                                                          b = basic
If you do not have a complete part number,                v = variant
leave spaces where there are no characters.               r = revision level

 Example:

   __-LN03Q-A2-____




------------------------------------------------------------------------------
  For help with function keys, use HELP          To quit and return to menu, use BACKUP
```

Detail on E0-BNE2A-MA

```
[ 1] Reference Number: 0672311

[ 2] Digital Part Number: E0-BNE2A-MA-
[ 3] Description: ETHERNET 23.4M TEFLON CABLE

[ 4] Quantity:      2                [11] Condition:      New
[ 5] Unit Cost:     $146.84          [12] Aging Category: Obsolete Inventory
[ 6] Cost Center:   579              [13] Rev Level:      123A
[ 7] Location Code: SBP              [14] Etch Level:     AB

[ 8] Stockroom Number:               [15] Asset Type:     Inventory
[ 9] Date Available:    14-FEB-1990  [16] Material Type:  Option
[10] Contract in Place: No           [17] Asset Number:   1234567890

Contact: Kerry Arscott                   Loc/MS: SBP/ENGLAND    DTN: 782-2070
```

For a definition of the data in any field, type the number of that field, then use FORM ENTER.

To SAVE this Detail screen to a file, type **97** then use FORM ENTER.

To MAIL this Detail screen, type **98** then use FORM ENTER.

7.3 LOOK UP ITEMS BY KEY WORD

Select a key word from the menu below. Then use ENTER.

Figure 4: Look Up Items by Key Word

```
  Look up items by Key Word                                    DIAL ASSETS
------------------------------------------------------------------------------
   Select a Key Word from the menu below. Then use ENTER.

   1  CABINET                          16  PRINTER
   2  CABLE                            17  RISC
   3  COMMUNICATION                    18  TAPE
   4  DECSTATION                       19  TERMINAL
   5  DISK                             20  VAX4000
   6  DISPLAY                          21  VAX6000
   7  ENCLOSURE                        22  VAX8000
   8  KEYBOARD                         23  VAX9000
   9  MICROVAX3000                     24  VAXFT
  10  MODEM                            25  VAXSTATION
  11  MONITOR                          26  VOICE
  12  NETWORK                          27  WORKSTATION
  13  OPTICAL
  14  PC
  15  PDP

------------------------------------------------------------------------------
Type the number of your selection and use ENTER
                                  To return to Look Up Items menu, use BACKUP
            Choice:
```

Key word: DECstation

For more information about an item, make a selection from the key word menu.

Figure 5: Key Word: DECstation

```
  Look up items by Key Word DECSTATION                    Screen     1 of     5
------------------------------------------------------------------------------
    Select a Part Number from the menu below. Then use ENTER.

 1     –PM100–BA–      DECSTATION 2100, 8 MBYTEINTER
 2     –PM100–BB–      DECSTATION 2100, 8 MBYTESC
 3     –PM100–BC–      DECSTATION 2100, 8 MBYTEPE
 4     –PM100–BD–      DECSTATION 2100, 8 MBYTERMINAL
 5     –PM100–BE–      DECSTATION 2100, 8 MBYTEX4000
 6     –PM100–BF–      DECSTATION 2100, 8 MBYTEX6000
 7     –PM100–BG–      DECSTATION 2100, 8 MBYTEX8000
 8     –PM100–BH–      DECSTATION 2100, 8 MBYTEX9000
 9     –PM100–BJ–      DECSTATION 2100, 8 MBYTEXFT
10     –PM100–BK–      DECSTATION 2100, 8 MBYTEXSTATION
11     –PM100–DH–      DECSTATION 2100, 16 MBYTECE
12     –PM100–DJ–      DECSTATION 2100, 16 MBYTEKSTATION
13     –PM100–DK–      DECSTATION 2100, 16 MBYTE
14     –PM100–GH–      DECSTATION 2100, 16MBYTE
15     –PM100–GJ–      DECSTATION 2100, 16MBYTE
◄  PREVIOUS PAGE – to Key Word menu          Continued – NEXT PAGE
------------------------------------------------------------------------------
Type the number of your selection and use ENTER
                                  To return to Look Up Items menu, use BACKUP
          Choice:
```

7.4 LOOK UP ITEMS BY MATERIAL TYPE

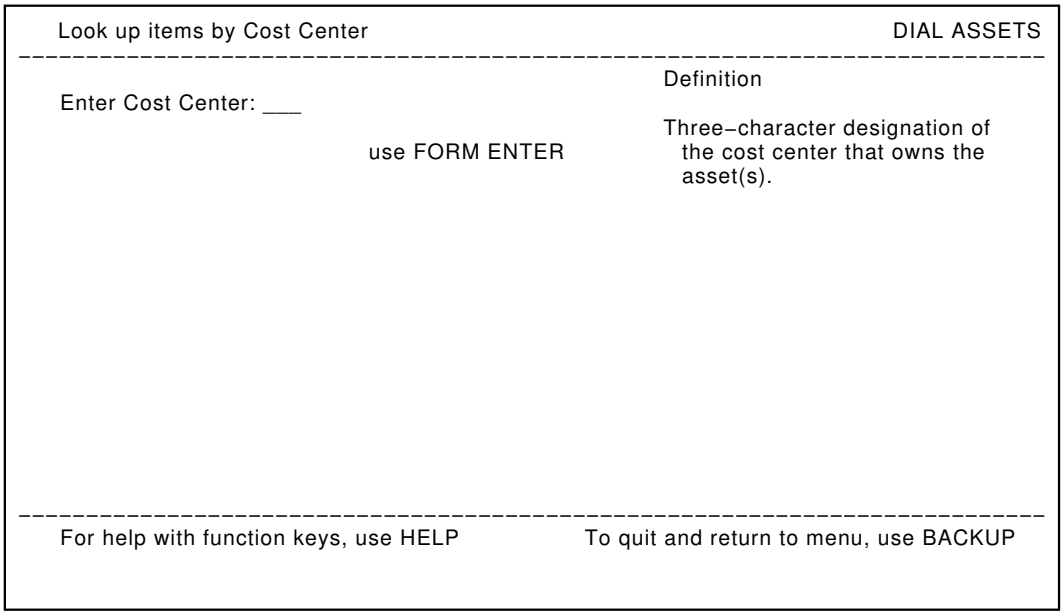
Figure 6: Look Up Items by Material Type

```
Look up items by DEC Material Type                          DIAL ASSETS
------------------------------------------------------------------------
      Select the Material Type of the DEC asset from the menu below.  Then use ENTER

  1    Bad Part Number                    16   Obsolete Part
  2    Board                              17   Option
  3    Cable                              18   Power Supply
  4    Customer Spare Parts               19   Purchased Part
  5    Documentation                      20   Software
  6    Expendable(Purch Parts Only)       21   Special No Cost Items
  7    Fabricated Part                    22   Subassembly
  8    Integrated Circuits                23   System
  9    In-Process (not approved)          24   Transformer
 10    Jumper Cable                       25   Tester
 11    Logic
 12    Major Purchased Component
 13    Module
 14    Mounting Panel
 15    Natick Memory Products

------------------------------------------------------------------------
Type the number of your selection and use ENTER
                                  To return to Look Up Items menu, use BACKUP
          Choice:
```

```
 Select the Material Type of the Digital asset from |     Definition
 the menu below.  Then use ENTER.                   |
                                                    | The general class of
(1) Accessories/Supplies    (10) Integrated         | manufacturing parts or
     for resale                   circuits          | products.  Material
(2) Bad part number         (11) In-process part    | Type is automatically
(3) Board                   (12) Jumper cable       | assigned when a DEC
(4) Cable                   (13) Logic              | Part Number is entered
(5) Completed proprietary   (14) Major purchased     | into the DIAL system.
     semiconductors               component         |
(6) Customer spare          (15) Multichip units    |
     parts                        mfg'd in Cupertino|
(7) Documentation           (16) Memory             |
(8) Expandable part         (17) Module             |
(9) Fabricated part         (18) Mounting panel     |

(19) Natick memory products   (30) Transformer
(20) Obsolete part            (31) Tester
(21) Option                   (32) Unfinished proprietary semiconductors
(22) Packaging
(23) Personal computer software parts
(24) Power supply
(25) Purchased part
(26) Software
(27) Special no-cost items
(28) Subassembly
(29) System
```

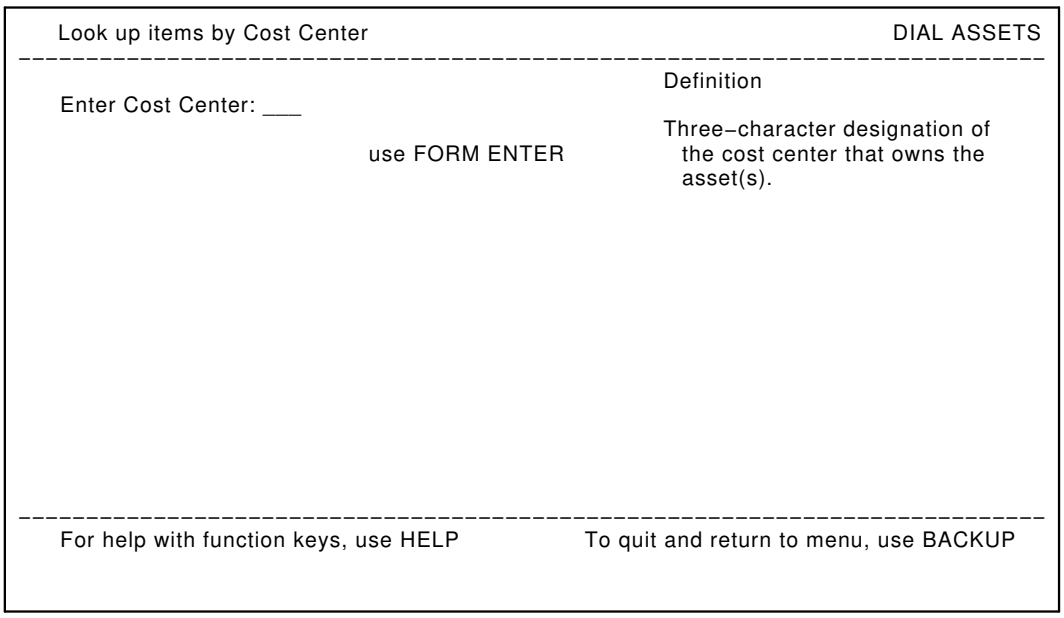
7.4.1 Look Up Items by Non-Digital Material Type

Figure 7: Look Up Items by Non-Digital Material Type


Look up items by Cost Center
DIAL ASSETS
Definition
Enter Cost Center: ___
use FORM ENTER
Three–character designation of the cost center that owns the asset(s).
For help with function keys, use HELP
To quit and return to menu, use BACKUP

7.4.2 Look Up Items by Cost Center

Figure 8: Look Up Items by Cost Center


Look up items by Cost Center
DIAL ASSETS
Definition
Enter Cost Center: ___
Three–character designation of the cost center that owns the asset(s).
use FORM ENTER
For help with function keys, use HELP
To quit and return to menu, use BACKUP

7.4.3 Look Up Items by Location Code

Figure 9: Look Up Items by Location Code

```
Look up items by Location Code                                  DIAL ASSETS
------------------------------------------------------------------------------
                                                    Definition
   Enter Location Code: ___
                                                    Three-character code for the
                          use FORM ENTER            Digital facility where the
                                                      assets/contact are located.
------------------------------------------------------------------------------
   For help with function keys, use HELP          To quit and return to menu, use BACKUP
```

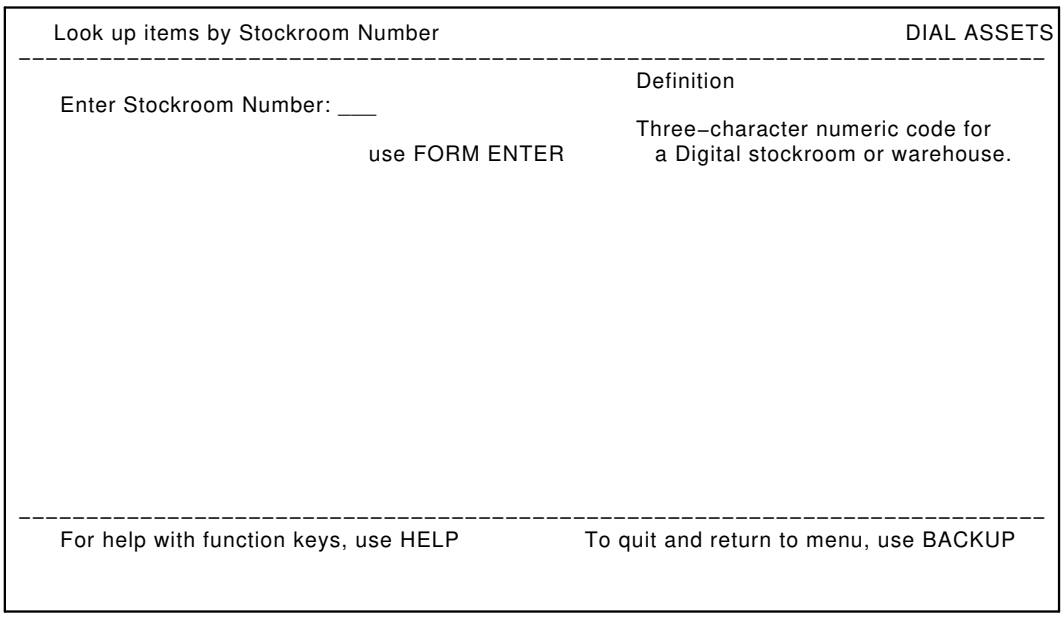
Summary of **37** items found for **123**

	Part Number	Description	Qty	Unit Cost	Cond	Loc	DTN
(1)	-VT100-AA	VT100-A W 120V USA LI	2	Std	Scrap	MRO	297-5959
(2)	10-26289-01	0.02 MFD 50V+100/-2	337	Std	Good	MOO	297-4037
(3)	23-000K5-01	PAL, 16R8 4	429	Std	Good	MOO	297-4037
(4)	23-000A1-07	32X 8 TTL PROM	39	Std	Good	MOO	297-4037
(5)	23-000K8-03	PAL,22V10,25NS,180MA,	435	Std	Good	MOO	297-4037
(6)	23-000N1-04	2048X 8 MOS EEPR	50	149	Def.	MOO	297-4037
(7)	-LA21X-AC	0.02 MFD 50V+100/-2	337	Std	Good	MOO	297-4037
(8)	19-12089-00	PAL, 16R8 4	429	Std	Good	MOO	297-4037
(9)	10-24455-08	32X 8 TTL PROM	39	Std	Good	MOO	297-4037
(10)	12-13709-00	PAL,22V10,25NS,180MA,	435	Std	Good	MOO	297-4037
(11)	12-15006-22	2048X 8 MOS EEPR	50	149	Def.	MOO	297-4037

(96) Mail Summary data on all items found (98) SAVE Summary data
(97) Mail Detail data on all items found (99) SAVE Detail data

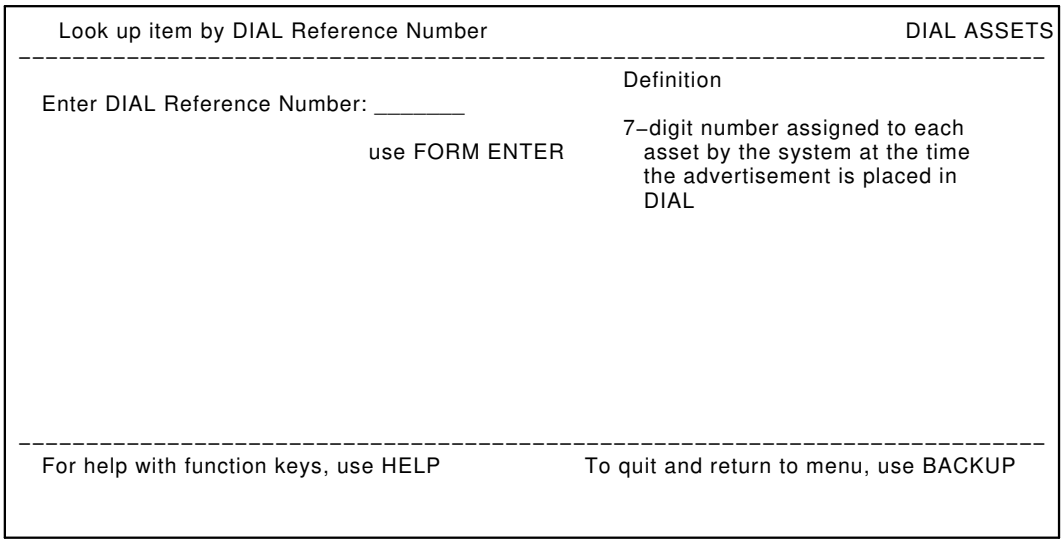
7.4.4 Look Up Items by Stockroom Number

Figure 10: Look Up Items by Stockroom Number


Look up items by Stockroom Number
DIAL ASSETS
Definition
Enter Stockroom Number: ___
Three–character numeric code for
use FORM ENTER
a Digital stockroom or warehouse.
For help with function keys, use HELP
To quit and return to menu, use BACKUP

7.4.5 Look Up Item by DIAL Reference Number

Figure 11: Look Up Item by DIAL Reference Number


Look up item by DIAL Reference Number
DIAL ASSETS
Definition
Enter DIAL Reference Number: _____
use FORM ENTER
7–digit number assigned to each asset by the system at the time the advertisement is placed in DIAL
For help with function keys, use HELP
To quit and return to menu, use BACKUP

Warning: The detail-data file contains 201 pages (1070 blocks). Do you wish to
1) quit and return to data base look up menu,
or
2) Continue to mail the file Enter 1 or 2 _ then use FORM ENTER

8 KEY WORD SPECIFICATION

Key words provide meaningful terminology associating groups of products that are advertised on DIAL by part number. There are no key words for nonpart-numbered items. The MATERIAL TYPE search can be used to retrieve this information.

When the VTX user enters a valid key word, the system will display one or more menu screens of associated part numbers and descriptions. When a selection is made from this menu, the system will display either a summary menu listing the available items with the chosen part number, or a detail screen if there is only one item available.

Part numbers and descriptions are maintained in the KEYWORD.DAT files by the System Administrator. The part number format in these .DAT files provides the required criteria for a data base search.

A listing of current key words is provided through VTX PAGE HELP.

Figure 12: Key Word Example

```
  Look up items by Key Word                                    DIAL ASSETS
------------------------------------------------------------------------------
    Select a Key Word from the menu below. Then use ENTER.
    Enter DIAL Reference Number: _______
   1  CABINET                          16    PRINTERumber assigned to each
   2  CABLE                            17    RISC by the system at the time
   3  COMMUNICATION                    18    TAPEdvertisement is placed in
   4  DECSTATION                       19    TERMINAL
   5  DISK                             20    VAX4000
   6  DISPLAY                          21    VAX6000
   7  ENCLOSURE                        22    VAX8000
   8  KEYBOARD                         23    VAX9000
   9  MICROVAX3000                     24    VAXFT
  10  MODEM                            25    VAXSTATION
  11  MONITOR                          26    VOICE
  12  NETWORK                          27    WORKSTATION
  13  OPTICAL
  14  PC
  15  PDP
------------------------------------------------------------------------------
    Type the number of your selection and use ENTER
                                  To return to Look Up Items menu, use BACKUP

    Choice:
```

Example of key word HELP

Example of a .DAT file. This particular one is named DECSTATIONS.DAT. When a user types DECSTATIONS, this is an example of what will be displayed on the screen. This has not yet been put into VTX format.

1	PC401-AA	DECSTATION 210,80286 CPU,512K,LK10
2	PC402-AA	DECSTATION 316,16MHZ 80386 CPU,1MB
3	PC402-B2	DECSTATION 316 80386/16MHZ PC,1MB,
4	PC402-B3	DECSTATION 316 PC402-B2 EXCEPT 240V
5	PC402-BA	DECSTATION 316, 16MHZ 80286 CPU, 1MB
6	PC403-AA	DECSTATION 320 BASE SYS
7	PC405-B2	DECSTATION 212 80286/12MHZ PC,640K
8	PC410-AA	DECSTATION 210 VGA SYS,PC401-AA CP
9	PC425-AA	DECSTATION 316 HARD DISK SYS, PC420
10	PC430-AA	DECSTATION 320 VGS SYS, PC403-AA
11	PC435-AA	DECSTATION 320 HARD DISK SYS, PC430
12	PC441-AA	DECSTATION 212LP, 80286/12 MZ PC
13	PC442-AA	DECSTATION 316SX:PC442-B2 (1MB)
.		End of first screen
.		
.		
.		
.		
.		Last screen
1	PC455-AA	DECSTATION 212

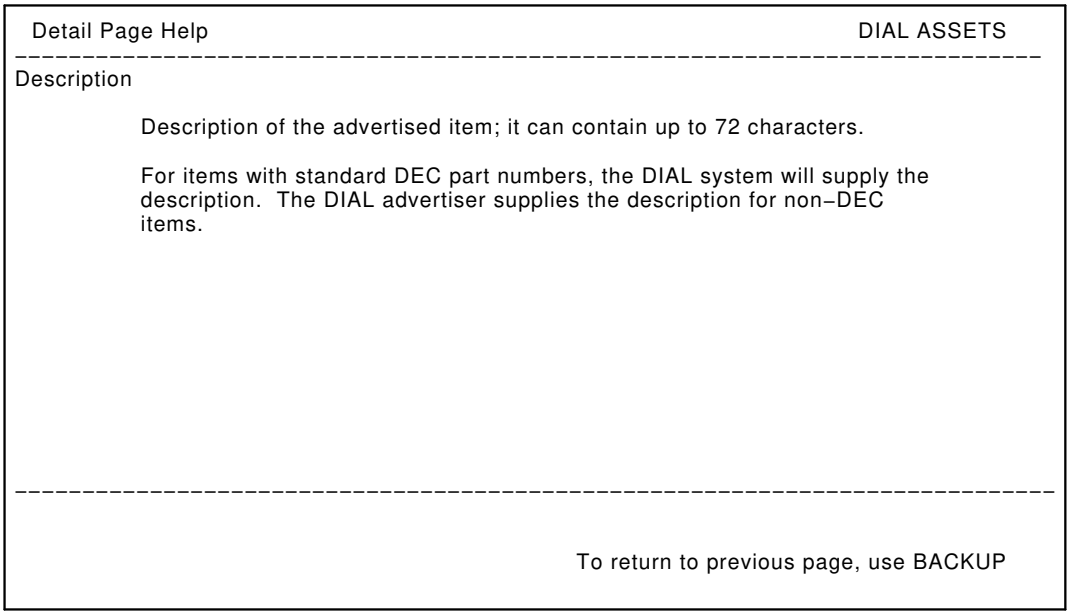
2	PC462-AA	DECSTA 325C:80386/25MHZ PC462
3	PC463-AA	DECSTATION 333C
4	PC465-AA	DECSTATION 425C
5	DJ-PC462-AB	DECSTA 325,CLR,MSDOS,PC462-AA,
6	DJ-PC441-AA	DECSTATION 212LP PACKAGED SYSTEM
7	DJ-PC441-AB	DECSTATION 212LP PACKAGED SYSTEM
8	DJ-PC442-AA	DECSTATION 316SX PACKAGED SYSTEM
9	DJ-PC442-AB	DECSTATION 316SX PACKAGED SYSTEM
10	DJ-PC455-CA	DECSTATION/WPS-PLUS 212 STANDALONE MONOCHROME PKG
11	DJ-PC455-CB	DECSTATION/WPS-PLUS 212 STANDALONE COLOR PACKAGE
12	DJ-PC420-CA	DECSTATION/WPS-PLUS 316 NETWORK MONOCHROME PACKAGE
13	DJ-PC420-CB	DECSTATION/WPS-PLUS 316 NETWORK COLOR PACKAGE

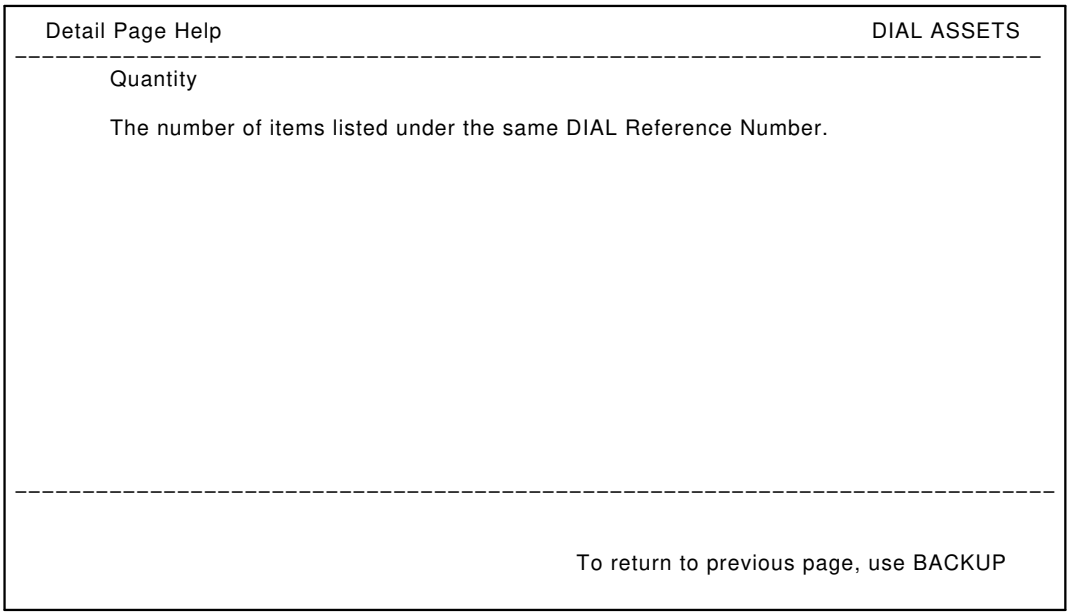
There are more screens for this key word category, but for this example, only two screens are displayed. There is space for 13 items to be listed on a menu screen.

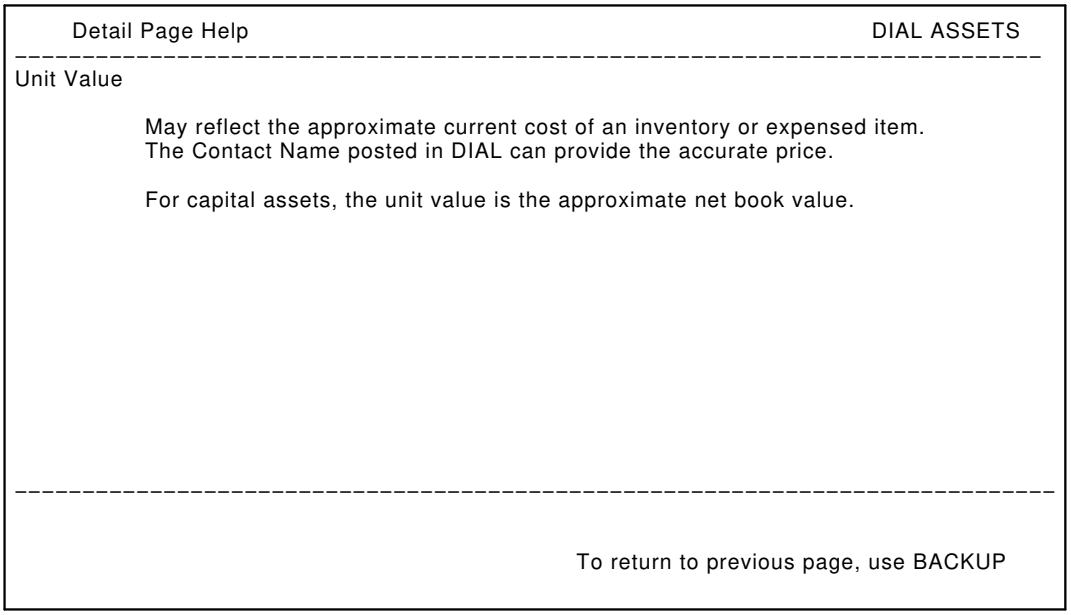
9 HELP PAGES

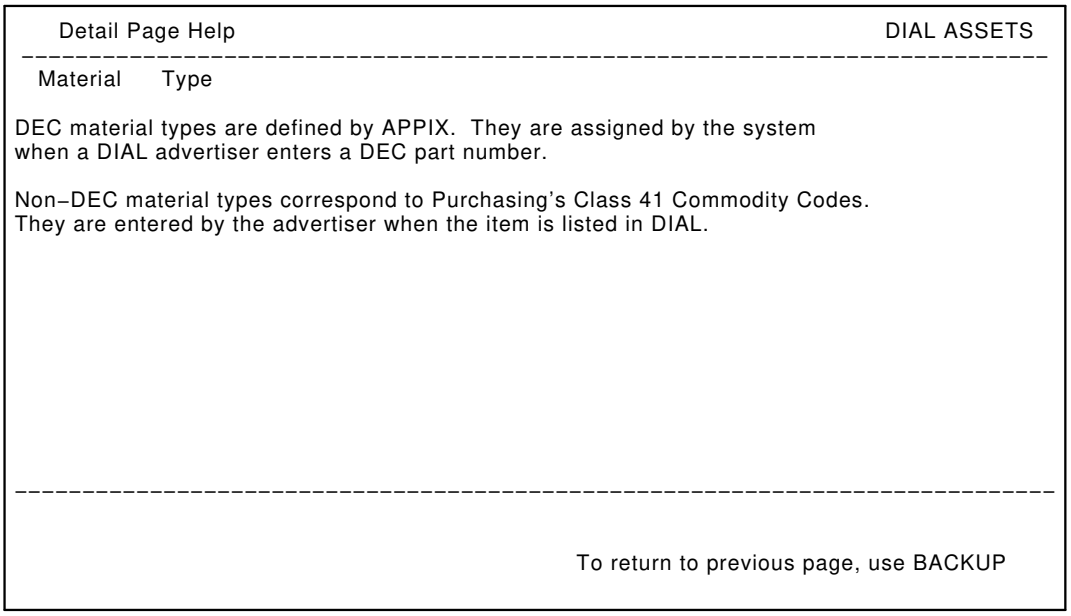
```
Reference Number                                                    DIAL ASSETS
_____________________________________________________________________________

        A unique seven–digit number assigned to items by the DIAL system at the
        time they are listed in DIAL.









_____________________________________________________________________________

                                                  To return to previous page, use BACKUP
```

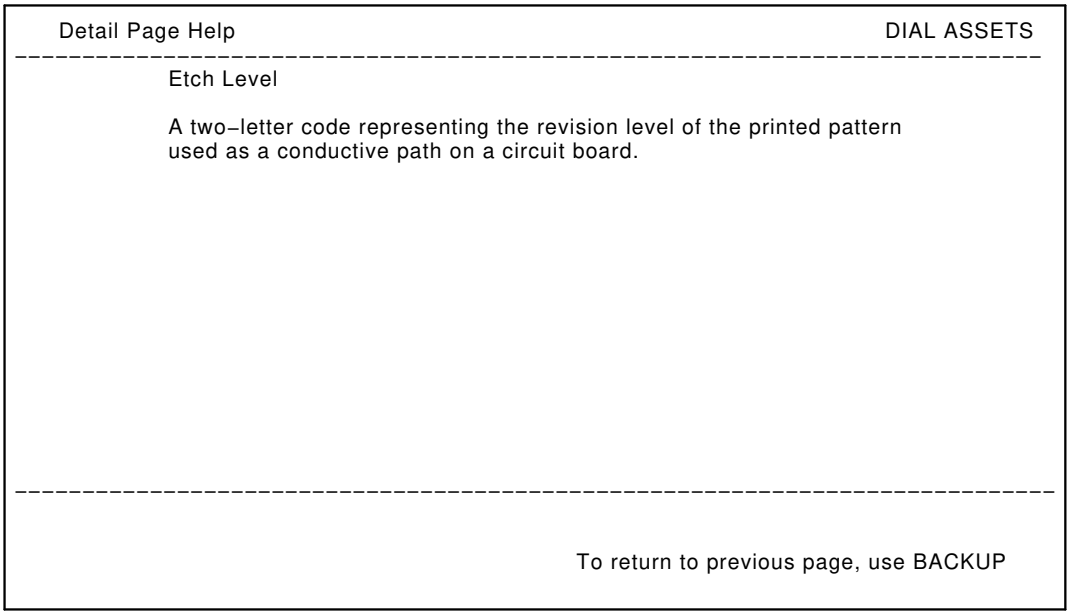
```
 Detail Page Help                                                   DIAL ASSETS
_____________________________________________________________________________
DEC Part Number

       Valid DEC Part Number in the format cc–bbbbb       vv     rrrr, where
             c = class
             b = basic
             v = variant
             r = revision level (optional)

               The basic part number has five digits. For old part numbers with fewer
               than five digits, enter leading zeros to fill the number to five digits.

               The DEC Part Number can be entered in the following formats:
        cc–bbbbb  vv   rrrr
        cc–bbbbb       vv (no revision level)
           cc–bbbbb (00 variant)
        bbbbb     vv (blank class)
             bbbbb (blank class and 00 variant)
_____________________________________________________________________________

                                                  To return to previous page, use BACKUP
```

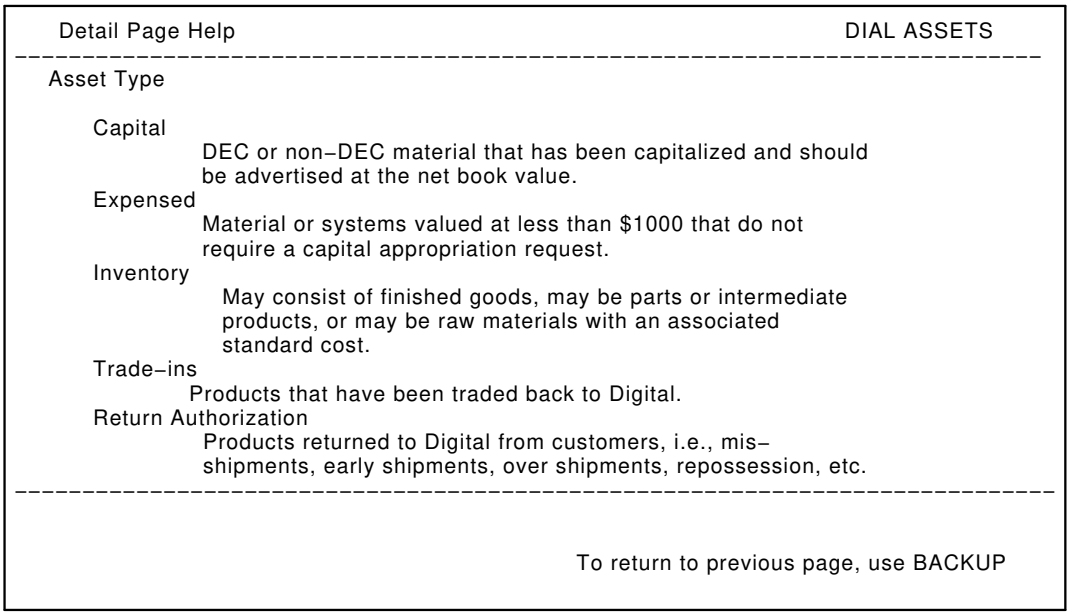

Detail Page Help
DIAL ASSETS
Description
Description of the advertised item; it can contain up to 72 characters.
For items with standard DEC part numbers, the DIAL system will supply the description. The DIAL advertiser supplies the description for non–DEC items.
To return to previous page, use BACKUP


Detail Page Help
DIAL ASSETS
Quantity
The number of items listed under the same DIAL Reference Number.
To return to previous page, use BACKUP


Detail Page Help
DIAL ASSETS
Unit Value
May reflect the approximate current cost of an inventory or expensed item.
The Contact Name posted in DIAL can provide the accurate price.
For capital assets, the unit value is the approximate net book value.
To return to previous page, use BACKUP


Detail Page Help
DIAL ASSETS
Material Type
DEC material types are defined by APPIX. They are assigned by the system
when a DIAL advertiser enters a DEC part number.
Non–DEC material types correspond to Purchasing's Class 41 Commodity Codes.
They are entered by the advertiser when the item is listed in DIAL.
To return to previous page, use BACKUP


Detail Page Help
DIAL ASSETS
Etch Level
A two–letter code representing the revision level of the printed pattern used as a conductive path on a circuit board.
To return to previous page, use BACKUP


Detail Page Help
DIAL ASSETS
Asset Type
Capital
DEC or non–DEC material that has been capitalized and should be advertised at the net book value.
Expensed
Material or systems valued at less than $1000 that do not require a capital appropriation request.
Inventory
May consist of finished goods, may be parts or intermediate products, or may be raw materials with an associated standard cost.
Trade–ins
Products that have been traded back to Digital.
Return Authorization
Products returned to Digital from customers, i.e., mis–shipments, early shipments, over shipments, repossession, etc.
To return to previous page, use BACKUP

Detail Page Help DIAL ASSETS

Asset Number

Up to 10 numeric characters representing the asset number of material that is part of the Fixed Assets Register.

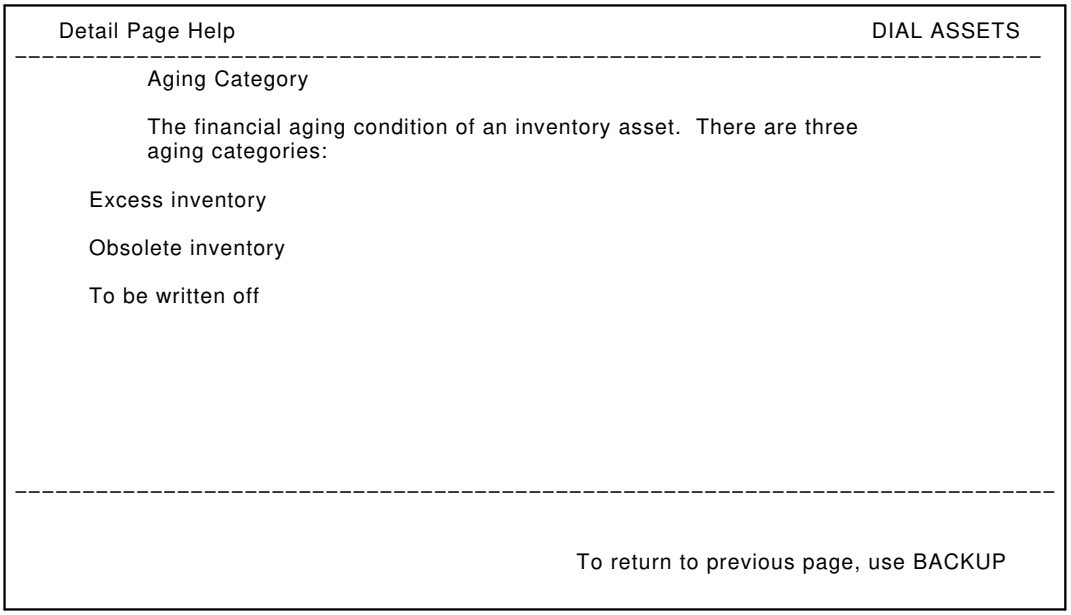
To return to previous page, use BACKUP

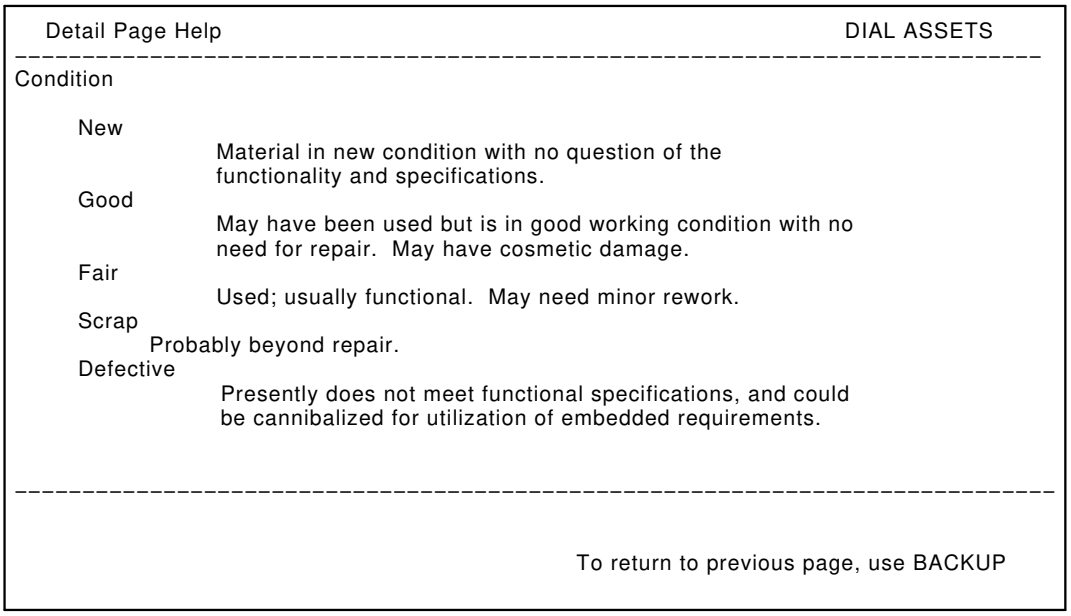
Detail Page Help DIAL ASSETS

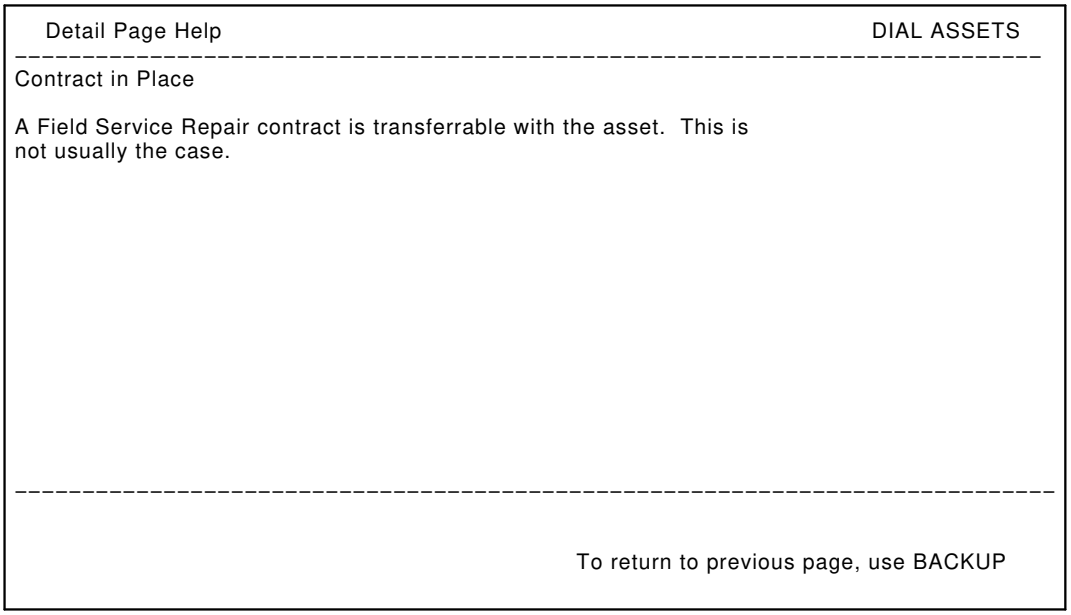
Level

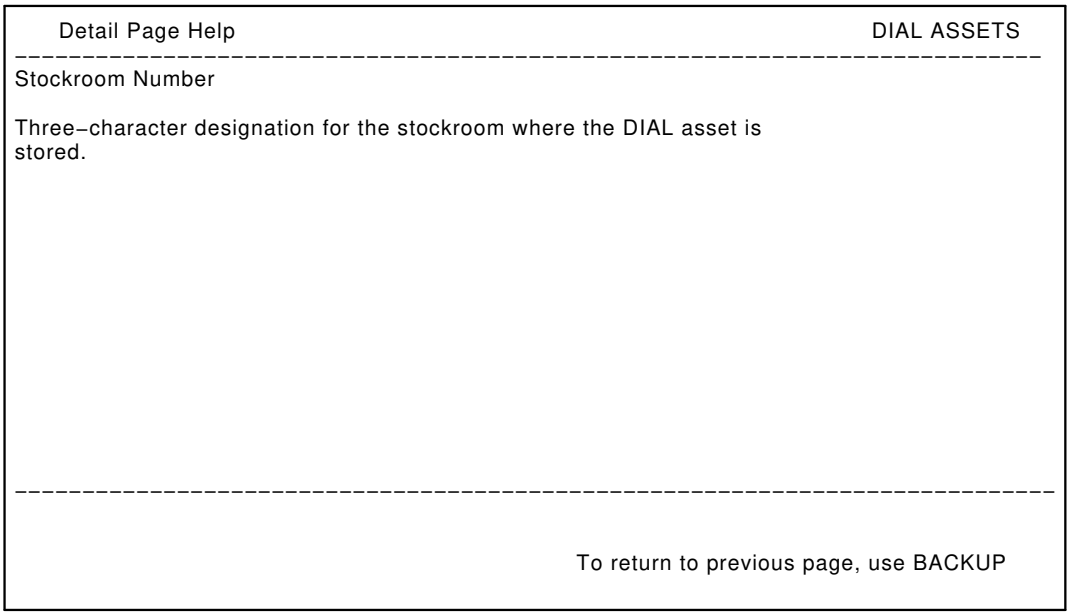
A four–digit number representing the revision number of a circuit schematic.

To return to previous page, use BACKUP


Detail Page Help
DIAL ASSETS
Aging Category
The financial aging condition of an inventory asset. There are three aging categories:
Excess inventory
Obsolete inventory
To be written off
To return to previous page, use BACKUP


Detail Page Help
DIAL ASSETS
Condition
New
Material in new condition with no question of the functionality and specifications.
Good
May have been used but is in good working condition with no need for repair. May have cosmetic damage.
Fair
Used; usually functional. May need minor rework.
Scrap
Probably beyond repair.
Defective
Presently does not meet functional specifications, and could be cannibalized for utilization of embedded requirements.
To return to previous page, use BACKUP


Detail Page Help
DIAL ASSETS
Contract in Place
A Field Service Repair contract is transferrable with the asset. This is not usually the case.
To return to previous page, use BACKUP


Detail Page Help
DIAL ASSETS
Stockroom Number
Three–character designation for the stockroom where the DIAL asset is stored.
To return to previous page, use BACKUP

```
Detail Page Help                                                DIAL ASSETS
_____________________________________________________________________________
Location Code

Three–letter code for the Digital facility where the assets/contact
are located.

_____________________________________________________________________________
----NEW PAGE----

                                          To return to previous page, use BACKUP
```

```
   Detail Page Help                                             DIAL ASSETS
_____________________________________________________________________________
         Cost Center

         Three–character designation of the cost center that owns the assets.

_____________________________________________________________________________

                                          To return to previous page, use BACKUP
```

APPENDIX A DIAL EXTRACT FILE LAYOUT

File name is DIAL_UPD_xxx.DAT where xxx denotes the "area" the file is being sent from (ATO for this application).

```
        SELECT DIMRP_FILE ASSIGN TO DIMRP$SOURCE
     ORGANIZATION IS SEQUENTIAL
     ACCESS MODE IS SEQUENTIAL.

FD   DIMRP_FILE
     DATA RECORD IS DIAL-MRP-RECORD.

01   DIAL_MRP_RECORD.
 10  DMI-STKRM   PIC X(06).
 10  DMI-BADGE   PIC X(06).
 10  DMI-PART.
  15  DMI-DEC-PART PIC X(09).
  15  DMI-REV-LEVEL       PIC X(04).
 10  DMI-ETCH-LEVEL  PIC X(04).
 10  DMI-CONDITION  PIC X(01).
 10  DMI-MATL-TYPE        PIC X(04).
 10  DMI-ADD-OVERLAY  PIC X.
 10  DMI-QTY   PIC S9(7)      COMP-3.
 10  DMI-ASSET-TYPE   PIC X(01).
 10  DMI-AGING-CODE       PIC X(01).
 10  DMI-DESCRP   PIC X(72).
 10  DMI-COST   PIC S9(9)V99 COMP-3.
 10  DMI-SERV-CONTRACT  PIC X(01).
 10  DMI-ASSET-NBR  PIC X(10).
 10  DMI-DATE    PIC X(06).
```

APPENDIX B DIAL EXTRACT FILE FIELD REQUIREMENTS MATRIX

BATCH UPDATE MATRIX

Asset Type	Badge No.	Part No.	Rev Lev	Etch Lev	Cond Code *	Age Code **	Qty	SR CC	Serv Ctl	Asset No.	Mtl Type	Cost	Desc	Date Avl ***
I	R	R	O	O	R	R	R	R	O	S	D	D	D	D
E	R	R	O	O	R	R	R	R	O	S	D	R	(2)	D
R	R	R	O	O	R	S	R	R	O	S	D	D	(2)	D
D	R	R	O	O	R	R	R	R	O	S	D	D	D	D
T	R	R	O	O	R	S	R	R	O	S	D	R	(2)	D

Legend:

R = Required
O = Optional (space filled if not supplied)
S = Spaces
D = DIAL Supplied

(2) = If a part number is passed with a specified description, that description will be included into the DIAL description field. If no specified description accompanies the part number, the Corporate Digital description will be applied to that field.

* Valid condition codes are N (New), G (Good), F (Fair), S (Scrap), D (Defective)

** Valid aging codes are E (Excess), O (Obsolete), W (Write-off)

*** Date available will be DIAL supplied (current date), unless a date greater than the process date is specified.

This process is for batch update only. Items can still be added manually and redistribution updates should still be maintained manually.

APPENDIX C DIAL_EXTRACT.COM EXTRACT FILE COMMAND STREAM

```
$! DIAL_EXTRACT.COM ATO TO DIAL FILE EXTRACT COMMAND STREAM 24-APR-1991
$!
$!*****************************************************************************
$! DEFINE THE FILE AND AREA LOGICALS
$!
$! Prior to running,  the logical definitions shown below must be changed to
$! reflect your specific definitions.
$!
$! DIAL_EXE        - Area where DIAL_EXTRACT.EXE Executable resides
$! DIAL_AREA       - Area where DIAL_SENT.DAT, Extract file and reports reside
$! DIAL_SENT       - Logical defining location and file name for DIAL_SENT.DAT
$! DIAL_SAVE       - Logical defining location and file name for DIAL_SENT.SAV
$! DIAL_EXTRACT    - Logical defining location and file name of extract file
$! UT1001          - Logical defining location and file name for UT1001.xxx
$!                    (xxx denotes the location file will be sent from)
$! FS50_PART       - Logical defining location and file name for FS50.IDX
$!*****************************************************************************
$!
$ DEFINE DIAL_EXE DISK:[XXXXXX]
$ DEFINE DIAL_AREA DISK:[XXXXXX]
$ DEFINE DIAL_SENT DIAL_AREA:DIAL_SENT.DAT
$ DEFINE DIAL_SAVE DIAL_AREA:DIAL_SENT.SAV
$ DEFINE DIAL_EXTRACT DIAL_AREA:DIAL_UPD_xxx.DAT
$ DEFINE UT1001 DISK:[ZZZZZZ]UT1001.ATO
$ DEFINE FS50_PART DISK:[YYYYYY]FS50.IDX
$!
$!*****************************************************************************
$! DEFINE THE BADGE NUMBER AND STOCKROOM SYMBOLS
$!
$! Prior to running,  the lines defining the symbols DIAL_BADGE and DIAL_STKRM
$! must be changed to your specific definitions.
$!*****************************************************************************
$!
$ DIAL_STKRM :== "ZZZ"
$ DIAL_BADGE :== "ZZZZZZ"
$!
$!*****************************************************************************
$! SAVE/RENAME/DELETE/PURGE EXISTING FILES AND REPORTS
$!*****************************************************************************
$!
$ WRITE SYS$OUTPUT ""
$ WRITE SYS$OUTPUT "DIAL_SENT.DAT file will be saved as DIAL_SENT.SAV"
$ WRITE SYS$OUTPUT "In the event of job failure, DIAL_SENT.SAV should"
$ WRITE SYS$OUTPUT "be copied back as DIAL_SENT.DAT prior to restart."
$ WRITE SYS$OUTPUT ""
$ COPY/LOG DIAL_SENT DIAL_SAVE
$ WRITE SYS$OUTPUT ""
$ SET NOON
$!
$ DEFINE SYS$OUTPUT NL:
$ DEFINE SYS$ERROR NL:
$ PURGE/NOLOG/KEEP=2 DIAL_SAVE
$ PURGE/NOLOG/KEEP=3 DIAL_EXTRACT
```

```
$ PURGE/NOLOG DIAL_AREA:DIAL*.RPT
$ DEASSIGN SYS$OUTPUT
$ DEASSIGN SYS$ERROR
$!
$!*******************************************************************************
$! CREATE THE EXTRACT FILE
$!*******************************************************************************
$!
$ WRITE SYS$OUTPUT ""
$ WRITE SYS$OUTPUT ""
$ ON ERROR THEN GOTO ERRRPT
$!
$ RUN DIAL_EXE:DIAL_EXTRACT.EXE
C
$!
$ IF DIAL_OK .EQS. "N" THEN GOTO NOSUBMIT
$ IF DIAL_OK .EQS. "F" THEN GOTO ERRRPT
$ IF DIAL_OK .EQS. "S" THEN GOTO SENDIT
$ WRITE SYS$OUTPUT ""
$ WRITE SYS$OUTPUT "&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&"
$ WRITE SYS$OUTPUT "DIAL_OK Symbol not set, please check log"
$ WRITE SYS$OUTPUT "since no errors reported in DIAL_EXTRACT"
$ WRITE SYS$OUTPUT "&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&"
$ WRITE SYS$OUTPUT
$ GOTO ENDIT
$!
$ SENDIT:
$!
$ WRITE SYS$OUTPUT ""
$ WRITE SYS$OUTPUT "DIAL_UPD_xxx.DAT File has been created successfully"
$ WRITE SYS$OUTPUT "Submitting job to send file to DIAL System"
$ WRITE SYS$OUTPUT ""
$!
$ SUBMIT/KEEP/NOTIFY DIAL_AREA:DIAL_COPY.COM
$ GOTO ENDIT
$!
$ NOSUBMIT:
$!
$ WRITE SYS$OUTPUT ""
$ WRITE SYS$OUTPUT "No DIAL_EXTRACT records were created."
$ WRITE SYS$OUTPUT "No DIAL_UPD_xxx.DAT file will be sent."
$ WRITE SYS$OUTPUT ""
$ GOTO ENDIT
$!
$ ERRRPT:
$!
$ WRITE SYS$OUTPUT ""
$ WRITE SYS$OUTPUT "&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&"
$ WRITE SYS$OUTPUT "A fatal error has occurred within DIAL_EXTRACT.EXE"
$ WRITE SYS$OUTPUT "Please check error  and restore DIAL_SENT.DAT file"
$ WRITE SYS$OUTPUT "prior to re-running job."
$ WRITE SYS$OUTPUT "&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&"
$ WRITE SYS$OUTPUT ""
$!
$ ENDIT:
$ EXIT
```

APPENDIX D DIAL_COPY.COM DIAL EXTRACT FILE COPY COMMAND STREAM

```
$! DIAL_COPY.COM ATO TO DIAL FILE EXTRACT COPY COMMAND STREAM 24-APR-1991
$!
$!*****************************************************************************
$! DEFINE THE FILE AND AREA LOGICALS
$!
$! Prior to running,  the logical definitions shown below must be changed to
$! reflect your specific definitions.
$!
$! DIAL_AREA       - Area where DIAL extract file resides
$! DIAL_EXTRACT    - Logical defining location and file name of extract file
$!*****************************************************************************
$!
$ DEFINE DIAL_AREA DISK:[XXXXXX]
$ DEFINE DIAL_EXTRACT DIAL_AREA:DIAL_UPD_ATO.DAT
$!
$!*****************************************************************************
$!
$ RETRYIT = 0
$ SET ON
$!
$!*****************************************************************************
$! Perform the Copy
$!*****************************************************************************
$!
$ COPYIT:
$ ON ERROR THEN GOTO RETRYCOPY
$ WRITE SYS$OUTPUT "Beginning file copy ...
$ WRITE SYS$OUTPUT ""
$ COPY/LOG DIAL_EXTRACT DIAL::*
$ WRITE SYS$OUTPUT ""
$ WRITE SYS$OUTPUT "File has been copied successfully ..."
$ WRITE SYS$OUTPUT ""
$ GOTO ENDIT
$!
$!*****************************************************************************
$! Error Trap for Copy Errors
$!
$! If we get an error trying to copy the extract file, sleep for 15 minutes and
$! increment a counter for the number of times we tried the copy.  If after two
$! we weren't able to  copy  the file,  exit out, otherwise, try to do the copy
$! again.
$!*****************************************************************************
$!
$ RETRYCOPY:
$!
$ WAIT 00:15:00
$!
$ RETRYIT = RETRYIT + 1
$!
$ IF RETRYIT .GT. 8 THEN GOTO BADEND
$!
$ GOTO COPYIT
$!
```

```
$!*************************************************************************
$! End the Job if we can't copy the file
$!*************************************************************************
$!
$ BADEND:
$!
$ WRITE SYS$OUTPUT ""
$ WRITE SYS$OUTPUT "&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&"
$ WRITE SYS$OUTPUT "Errors have occurred copying DIAL extract file to"
$ WRITE SYS$OUTPUT "DIAL System.  Please check and try re-running job"
$ WRITE SYS$OUTPUT "to copy file"
$ WRITE SYS$OUTPUT "&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&&"
$ WRITE SYS$OUTPUT ""
$!
$ ENDIT:
$ EXIT
```

APPENDIX E DIAL_SENT.RPT DIAL EXTRACT DATA SENT REPORT FILE

```
DIAL Extract Data Sent Report   Date: 26-Apr-91              Page 1

                              Extract   Previous               First Date  Last
Date
DIAL Part  UT1001 Part  Act  Quantity  Quantity  Standard Cost  Sent DIAL Sent
DIAL
---------  -----------  ---  --------  --------  -------------  ----------
---------
701736301  70-17363-01  ADD         3         0           9.99   26-Apr-91
26-Apr-91
292325000  29-23250-00  ADD         1         0          17.49   26-Apr-91
26-Apr-91
  RCD31E   00-RCD31-E0  CHG         3         2          71.40   22-Apr-91
26-Apr-91
EQ0151401  EQ-01514-01  CHG         3         2          29.62   22-Apr-91
26-Apr-91
FD1032700  FD-10327-00  CHG         3         2         380.75   22-Apr-91
26-Apr-91
292464200  29-24642-00  CHG         3         2          80.08   22-Apr-91
26-Apr-91
541102300  54-11023-00  DEL         0         1         231.51   22-Apr-91
22-Apr-91 DIAL_SENT Record will be deleted - 0 Quantity
541517000  54-15170-00  DEL         0         1          67.14   22-Apr-91
22-Apr-91 DIAL_SENT Record will be deleted - 0 Quantity

DIAL Extract Record Processing Totals

Total Number of UT1001 Records Processed        :  9656
Total Number of UT1001 Local Parts Skipped      :  1662
Total Number of DIAL Extract Records Written    :   611
Total Number of DIAL_SENT Records Added         :    97
Total Number of DIAL_SENT Records Updated       :   502
Total Number of DIAL_SENT Records Deleted       :    12
Total Number of Exception Records Reported      :    23
Total Number of UT1001 Parts with No FS50 Record:    23
```

APPENDIX F DIAL_EXCPT.RPT DIAL EXTRACT EXCEPTION REPORT FILE

```
DIAL Extract Exception Report 26-Apr-1991

  G727301 Part not found on FS50 File

  M760900 Part not found on FS50 File

  BC22EA  Part not found on FS50 File

  BC88FA  will not be sent - DIAL Extract Send Flag set to N

  BC99FA  will not be sent - DIAL Extract Send Flag set to P for purge

  BX00TA  will not be sent - DIAL Extract Send Flag set to N
          Quantity for part is 0 - DIAL_SENT.DAT record will be deleted

  BX99TA  will not be sent - DIAL Extract Send Flag set to P for purge
          DIAL_SENT.DAT record will be deleted though since
   part now has a zero quantity
```

APPENDIX G DIAL_OVER_50.RPT DIAL AGING OVER 50 DAYS OLD REPORT

DIAL Aging Over 50 Days Report Date: 26-Apr-91 PAGE 1

DIAL Part	UT1001 Part	SND FLG	Extract Quantity	Previous Quantity	Standard Cost	First Date Last Sent DIAL Sent DIAL
701736301	70-17363-01	Y	3	1	9.99	28-Feb-91
06-Apr-91	Part has resided on DIAL over 50 days					
292325000	29-23250-00	Y	2	1	17.49	28-Feb-91
06-Apr-91	Part has resided on DIAL over 50 days					
RCD31E	00-RCD31-E0	N	3	2	71.40	28-Feb-91
20-Apr-91	Part has resided on DIAL over 50 days					
EQ0151401	EQ-01514-01	Y	3	2	29.62	28-Feb-91
01-Mar-91	Part has resided on DIAL over 50 days					
FD1032700	FD-10327-00	Y	3	2	380.75	28-Feb-91
30-Mar-91	Part has resided on DIAL over 50 days					
292464200	29-24642-00	Y	3	2	80.08	22-Feb-91
24-Mar-91	Part has resided on DIAL over 50 days					

DIAL Over 50 Days Totals

Total Number of DIAL_SENT Records Over 50 days old : 7

APPENDIX H DIAL_OVER_60.RPT DIAL AGING OVER 60 DAYS OLD REPORT

```
DIAL Aging Over 60 Days Report   Date: 26-Apr-91              PAGE 1

                        SND  Extract   Previous               First Date Last
Date
DIAL Part  UT1001 Part  FLG  Quantity  Quantity  Standard Cost  Sent DIAL Sent
DIAL
---------  -----------  ---  --------  --------  -------------  ----------
---------
701736301  70-17363-01   P          3         1           9.99   14-Feb-91
06-Apr-91  Part has resided on DIAL over 60 days
292326000  29-23260-00   P          2         1          17.49   14-Feb-91
06-Apr-91  Part has resided on DIAL over 60 days
  RCD31E   00-RCD31-E0   P          3         2          71.40   14-Feb-91
20-Apr-91  Part has resided on DIAL over 60 days
EQ0151401  EQ-01514-01   N          3         2          29.62   14-Feb-91
01-Mar-91  Part has resided on DIAL over 60 days
FD1032700  FD-10327-00   P          3         2         380.75   14-Feb-91
30-Mar-91  Part has resided on DIAL over 60 days
292464200  29-24642-00   P          3         2          80.08   14-Feb-91
24-Mar-91  Part has resided on DIAL over 60 days

DIAL Over 60 Days Totals

Total Number of DIAL_SENT Records Over 60 days old      :    7
Total Number of DIAL_SENT Records Deleted (70 days old) :    0
```

APPENDIX I REFERENCED DOCUMENTS

I.1 Other Digital Documents

Document Number	Document Title
NO NUMBER	*European DIAL Application User Manual - November 1989*

I.2 Ordering Information

The source for the *European DIAL Application User Manual* is:

- Gordon McKinlay, European DIAL contact
  DTN: 823-3329, (44)-(292)-883329
  AYO (Ayer, Scotland)

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